

REMARKS

Claims 3 and 6 are now pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

REJECTION UNDER 35 U.S.C. § 102

Claims 3 and 6 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Yang et al. (WO 02/37500 A1). This rejection is respectfully traversed.

Independent Claim 3 recites “an organic thin film **bistable body having a single layer structure** interposed between a first electrode and a second electrode.” (emphasis added). The present inventor has found that a **bistable body**, i.e., one that is sufficient to exhibit bistable phenomena, results when the organic film bistable body consists of a **single component** of the conductive material represented by formula (I). Further, such a bistable body, as claimed in the instant application, results in a low switching voltage and makes it possible to switch from a low resistance state to a high resistance state. Therefore, an organic bistable memory device, which can be **less likely to cause malfunction**, is realized by switching to a high resistance state (page 4, lines 7 to 18 of the specification).

In contrast, Yang et al. teaches that a **bistable body** exhibiting bistable phenomena must have **two components** (i.e., low conductivity component and high conductivity component) **combined together** (paragraph [0010], lines 13 to 15). Accordingly, any **bistable body** of Yang et al. must comprise at least two components in a single layer or in separate layers. Since a basic and novel characteristic of the

invention of Claim 3 is the provision of bistable phenomena when the organic film bistable body consists of a single component of a conductive material, the provision of bistable phenomena **only when two components are combined together** materially affects the basic and novel characteristics of the invention.

In contrast, neither of the low conductivity or high conductivity layers of Fig. 2 of Yang et al. (WO 20/37500) are an organic thin film **bistable body having a single layer structure** as recited in Claim 3. In Fig. 2 of Yang et al., the high conductivity layer 30 must be sandwiched between a first low conductivity layer 32 and a second low conductivity layer 34 in order to form a **bistable body** exhibiting bistable phenomena. Thus, Yang et al. again teaches that bistable phenomena are **only observed when the two components** (i.e., low conductivity component and high conductivity component) are **combined together**. Furthermore, Yang et al. fail to teach or suggest that a switching voltage of the organic bistable element can be reduced by adopting the organic thin film to the single component of the conductive material, and thus that an organic bistable memory device, which can be **less likely to cause malfunction**, is realized by switching to a high resistance state.


Accordingly, Applicant respectfully asserts that the invention of Claim 3 is neither disclosed nor suggested by Yang et al.. Since Claim 6 depends from Claim 3, Applicants respectfully assert that Claim 6 is likewise patentable for at least the reasons discussed above.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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